

<b>APPENDIX B: DRYING OF DNA FOR PERMANENT STORAGE</b>		Page 1 of 2
<b>QIAGEN® BIOROBOT™ 9604</b> <b>PROCEDURE MANUAL - FORENSIC BIOLOGY SECTION</b> <b>PROCEDURE MANUAL, SECTION V</b>		Issue No. : 3
		Effective Date: 8-November-2004
<b>APPENDIX B: DRYING OF DNA FOR PERMANENT STORAGE</b>		
1	TECHNICAL	
1.1	For permanent storage and preservation of extracted DNA, samples will be concentrated using a rapid evaporation system.	
2	EQUIPMENT	
2.1	RC10.22 evaporator	
2.2	Rotor with 96 well plate holders (compatible with the RC10.22 evaporator)	
3	MATERIALS	
3.1	Collection microtube rack (for balance)	
4	PROCEDURE	
	<b>NOTE:</b> If it is necessary to save an extract the following procedure should be used to dry down the sample down.	
4.1	Turn on the vacuum pump by pressing the switch on the left side of the vacuum pump.	
4.2	Turn on the evaporator using the switch on the back, right lower corner of the unit.	
	<b>NOTE:</b> The words “open the lid” will appear on the screen on the front of the evaporator.	
4.3	Open the evaporator lid by sliding the lid back until it stops and then lifting the lid up.	
	<b>NOTE:</b> Once the lid has been opened, the screen will show a group of numbers.	
4.4	Remove the lid from the collection microtube rack and uncap the collection microtubes, then place the collection microtube rack and a similar collection microtube rack, for balance, into the silver 96 well plate holders in the concentrator/evaporator.	
4.5	Close the lid, by gently lowering the lid and then sliding the lid forward. The lid will drop into place.	
4.6	Set the dry down time to 70 minutes by pressing the “F” on the key pad by the screen on the front of the evaporator. Then press either “-“ or “+” to scroll to “recall prog”. Once “recall prog” appears on the screen press “enter” and “recall prog: 08” will appear (the number after “recall prog” is the program number that was previously entered). Enter the number “08” and press enter. The next screen will show the program number and then the dry down time (70 minutes). Press “start” to begin the drying of the extracted DNA.	

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<p><b>NOTE:</b> If the incorrect program number was entered, start from the beginning by pressing “F”.</p> <p>To stop the concentrator/evaporator at any time before the time is completed press the “stop” on the key pad.</p> <p>4.7 Once the 70 minutes has elapsed remove the sample rack from the evaporator and verify that the samples are dry (no liquid remains). Recap the collection microtubes and replace the lid on the collection microtube rack. Store the dried samples under the appropriate conditions.</p> <p style="text-align: right;"><b>◆END</b></p>	